

Amendment to and Listing of the Claims:

1. to 14. (Canceled)

15. (New) A biosensor comprising:

an insulating base plate,

an electrode system that is provided on the base plate and has at least a working electrode and a counter electrode,

a cover member that is combined with the base plate to define a sample solution supply pathway for leading a sample solution from a sample supply unit to the electrode system, wherein the sample supply unit is located on a side of the electrode system,

a reaction reagent system including at least an oxidation-reduction enzyme and an electron mediator, and

a filter in the sample solution supply pathway, the filter disposed between the electrode system and the sample supply unit,

the biosensor having a space that encircles the surface of the filter in an area located between a first end of the filter close to the sample supply unit and a second end of the filter close to the electrode system, wherein said space has a width of 0.5 mm to 5.0 mm.

16. (New) The biosensor of claim 15, wherein the cover member is disposed above the base plate, and the sample solution supply pathway starts from the sample supply unit provided on the base plate and is formed along the cover member and the base plate.

17. (New) The biosensor of claim 15, wherein the space has a width of 1.0 mm to 3.0 mm.

18. (New) The biosensor of claim 15, wherein the filter is a porous body having spaces connecting with one another in a three-dimensional manner, and the porous body moves blood from the sample supply unit toward the sample solution supply pathway by capillarity and functions to filter hemocytes based on a difference between the flow resistance of plasma and the flow resistance of hemocytes.

19. (New) The biosensor of claim 15, wherein the oxidation-reduction enzyme is cholesterol oxidase.

20. (New) The biosensor of claim 15, wherein the reaction reagent system includes an enzyme having an ability of hydrolyzing cholesterol ester.

21. (New) The biosensor of claim 20, wherein the enzyme having the ability of hydrolyzing cholesterol ester is cholesterol esterase.

22. (New) The biosensor of claim 15, wherein the reaction reagent system includes a surface active agent.

23. (New) The biosensor of claim 15, wherein part or all of the cover member and of the insulating base plate are transparent.

24. (New) A biosensor comprising:

- an insulating base plate,
- an electrode system that is provided on the base plate and has at least a working electrode and a counter electrode,
- a cover member that is combined with the base plate to define a sample solution supply pathway for leading a sample solution from a sample supply unit to the electrode system, wherein the sample solution supply pathway is disposed in a direction of gravity from the sample supply unit provided on the cover member,
- a reaction reagent system including at least an oxidation-reduction enzyme and an electron mediator, and
- a filter in the sample solution supply pathway, the filter disposed between the electrode system and the sample supply unit,

the biosensor having a space that encircles the surface of the filter in an area located between a first end of the filter close to the sample supply unit and a second end of the filter close to the electrode system, wherein the width of the space is not less than 100 μm and is smaller than the thickness of the filter.

25. (New) The biosensor of claim 24, wherein the sample supply unit is located above the electrode system.

26. (New) The biosensor of claim 24, wherein the filter is a porous body having spaces connecting with one another in a three-dimensional manner, and the porous body moves

blood from the sample supply unit toward the sample solution supply pathway by capillarity and functions to filter hemocytes based on a difference between the flow resistance of plasma and the flow resistance of hemocytes.

27. (New) The biosensor of claim 24, wherein the oxidation-reduction enzyme is cholesterol oxidase.

28. (New) The biosensor of claim 24, wherein the reaction reagent system includes an enzyme having an ability of hydrolyzing cholesterol ester.

29. (New) The biosensor of claim 28, wherein the enzyme having the ability of hydrolyzing cholesterol ester is cholesterol esterase.

30. (New) The biosensor of claim 24, wherein the reaction reagent system includes a surface active agent.

31. (New) The biosensor of claim 24, wherein part or all of the cover member and of the insulating base plate are transparent.